

Title (en)

UHF-RFID antenna for point of sales application

Title (de)

UHF-RFID-Antenne für eine Verkaufsstellenanwendung

Title (fr)

Antenne UHF-RFID pour application dans un point de vente

Publication

EP 2871711 A1 20150513 (EN)

Application

EP 14188698 A 20141013

Priority

US 201314077123 A 20131111

Abstract (en)

A UHF-RFID antenna having a central segmented loop surrounded by passive dipole structures provides shaping of the electric and magnetic fields to reduce the number of false positive reads by a UHF-RFID reader at a point of sale.

IPC 8 full level

H01Q 1/22 (2006.01)

CPC (source: EP US)

H01Q 1/2216 (2013.01 - EP US); **H01Q 7/00** (2013.01 - US); **H01Q 19/18** (2013.01 - US); **H01Q 1/243** (2013.01 - US); **H01Q 19/26** (2013.01 - US); **H01Q 19/32** (2013.01 - US); **Y10T 29/49016** (2015.01 - EP US)

Citation (applicant)

STUTZMAN, W.L.; THIELE, G.A.: "Antenna Theory and Design", 1998, WILEY

Citation (search report)

- [XII] US 2009295659 A1 20091203 - BLUMBERG JR DAVID [US]
- [A] US 2004201479 A1 20041014 - GARBER SHARON R [US], et al
- [A] US 2011210824 A1 20110901 - STEWART ROBERT [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2871711 A1 20150513; **EP 2871711 B1 20180926**; CN 104636693 A 20150520; CN 104636693 B 20180327; JP 2015095901 A 20150518; JP 6008924 B2 20161019; US 2015130677 A1 20150514; US 9847576 B2 20171219

DOCDB simple family (application)

EP 14188698 A 20141013; CN 201410638384 A 20141106; JP 2014224649 A 20141104; US 201314077123 A 20131111